

**WHAT IS CLAIMED IS:**

1. A method of transmitting data through local area network (LAN), comprising the steps of:  
abandoning a Transmission Control Protocol/Internet Protocol (TCP/IP) in a  
5 wireless LAN to eliminate the concept of an Address Resolution Protocol (ARP); and  
defining a smaller capacity for a data packet head in the high-speed wireless LAN standard IEEE 802.11 protocol.